

MULTI-VOLUME DISK ARRAY MANAGEMENT METHOD AND SYSTEM

ABSTRACT OF THE DISCLOSURE

A multi-volume disk array management method and system is proposed, which is designed for use with a multi-disk storage unit, such as a RAID (Redundant Array of Independent Disks) unit, particularly a low-end RAID unit having a limited number of disks, for the purpose of allowing the low-end RAID unit to be nonetheless capable of providing two or more logical volumes for storing data of different levels of importance in different locations (i.e., different logical volume) with different levels of fault tolerance. This feature allows low-end RAID unit to be versatile in data storage.

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